

## Printing Operations

1. If more than five (5) materials such as inks, glues, fountain solutions, clean up solvents are used in the press or presses, or if more than five (5) presses are being reported, please make multiple copies of the form as necessary.

### Press Data:

2. **Column 1: 'Press I.D.'** Write in the I.D. name or number that your organization (plant, industry or etc.) has assigned to each press for which a permit application is being made.
3. **Column 2: 'Press Type'** Write in the type of press used i.e. rotogravure, flexographic, offset, etc.
4. **Column 3: 'Maximum Line Speed'** Write in the maximum line speed in inches per minute of each press.
5. **Column 4: 'Maximum Printing Width'** Write in the maximum width of substrate that can be printed by each press.
6. **Column 5: 'Type of Control Device'** Write in the type of equipment, controlling the emission of volatiles captured. Common type of control device are carbon absorbers, thermal incinerators, and catalytic incinerators. If no such device will be installed and operated, write in "none".
7. **Column 6: 'Percent Captured'** Write in the percentage of volatiles that are captured during press operations. This figure may be provided by the press manufacturer, but most permits will require verification using EPA Method 25.
8. **Column 7: 'Destruction Efficiency'** Write in the destruction efficiency of the incinerator.

### Material Data:

10. **Column 1: 'Material'** Write in a short description of the material, i.e. ink, fountain, solution, etc.
11. **Column 2: 'Identification Number'** Write in the identification number or letters assigned to this material by its manufacturer or your organization.
12. **Column 3: 'Volume % Volatiles'** Write in the volume fraction of all organics (both photochemically reactive and non-reactive) and of water.
13. **Column 4: 'Volume % Water'** Write in  $(V_w)_a$  from the "as applied" VOC Data Sheet.
14. **Column 5: 'Weight % Volatiles'** Write in the sum of  $(W_o)_a$  plus  $(W_w)_a$  from the "as applied" VOC Data Sheet.
15. **Column 6: 'Weight % Water'**  
Write in  $(W_w)_a$  from the "as applied" VOC Data Sheet.
16. **Column 7: 'Maximum Coverage'** Write in the **maximum** amount of the material used in printing in one million square inches. For inks and glues, this is self explanatory. Also, provide such a figure for fountain solution and press wash solvents, even though these materials may not be actually deposited on the substrate.  
All experienced printers know the rate that fountain solution and press wash solvents are consumed as a function of the amount of substrate printed.
17. **Column 8: 'Press I.D.'** Write in the I.D. name or number of the press or presses in which the material is used. This refers to the first column of the bottom part of this Form T. If the material is used in all presses reported in this application, write in "all".

### Note:

Do not supply information for previously permitted equipment unless the previously permitted equipment is being used with the equipment being permitted - i.e. using a previously permitted thermal incinerator to control emissions from a new press. MSDS should contain the

1. Product Identification section
2. Hazardous Ingredients section
3. Physical Characteristics section